

BOOK REVIEWS

CALIFORNIA MEDICINE does not review all books sent to it by the publishers. A list of new books received is carried in the Advertising Section.

ULTRASTRUCTURE OF BONE AND JOINT DISEASES—Kazushi Hirohata, MD, Associate Professor, Department of Orthopedic Surgery, Kobe University School of Medicine, Kobe, Japan; and Kazuo Morimoto, MD, Instructor, Department of Orthopedic Surgery, Kobe University School of Medicine, Kobe, Japan. Igaku Shoin Ltd., Tokyo, Publisher; Distributed by Grune & Stratton, 111 Fifth Avenue, New York, N.Y. (10003), 1971. 339 pages, \$35.00.

Orthopedic surgeons Kazushi Hirohata and Kazuo Morimoto have put together a beautiful volume dealing with the ultrastructure of tissues involved in diseases of the bone and joint. The opportunity to be precise in sampling tissues for electronmicroscopy is perhaps open to only the astute surgeon. The authors have taken advantage of this. The electronmicrographs are prepared from tissue specimens obtained at the time of surgery. They are thus able to pinpoint the location of many of the specimens in relation to the diseased area. This is of course essential in interpreting the findings of a disease such as osteoid osteoma which may present with an entirely different picture just a short distance away.

In their book, observations made at the ultrastructural level are accompanied by brief notes on the clinical history of the patient, by light microscopic findings, and occasionally, by photographs of the gross specimens and of roentgenographs. This arrangement places the electronmicrographs in proper perspective for readers unfamiliar with the field.

A major criticism has to be that the legends are too concise. Since the electronmicrographs are by no means self-explanatory and show only a tiny fraction of what the authors must have observed, much valuable information is thereby withheld from the reader. Minor defects such as a few unlabeled micrographs (e.g., Fig. 271 p. 240), the usage of unorthodox terms (e.g., "regressive cell" for degenerating or necrotic cell p. 139) and a few grammatical errors, do not detract from the generally good quality of the printing. The reference list of 307 include all the major works and would be of use to anyone cultivating an interest in this rather small field.

This volume will be a valuable compendium for the student of bone and joint disease. As the authors note "Even minor morphological changes in cells and cell matrices would be of significance to the respective diseases." Significant indeed!

ANTHONY C. SHEN, MD
EPHRAIM P. ENGLEMAN, MD

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PROGRESS IN HEMOSTASIS AND THROMBOSIS—Volume I—Theodore H. Spaet, MD, Head, Hematology Division, Montefiore Hospital and Medical Center; Professor of Medicine, Albert Einstein College of Medicine, Bronx, N.Y., Grune & Stratton, Inc., 111 Fifth Avenue, New York, N.Y. (10003), 1972. 257 pages, \$15.00.

This book represents the first of a series of monographs to be devoted to various current topics in blood coagulation and thrombosis. It is appropriately dedicated to the memory of Dr. Paul Aggeler, one of the great physician-investigators of our time who practiced many years in San Francisco and discovered factor IX (PTC). The contributors to this volume have all worked in the particular area on which they write and this is reflected in authoritative and up-to-date reviews. Indeed, in all the papers one can find references cited which were in press at the time the book was published. The first chapter describes the modern view of the coagulation mechanism and is authored by Drs. Yale Nemerson and Fran Pitlick, who have made notable contributions in this area. The second chapter is on the molecular basis of hereditary

clotting disorders and is by Dr. Oscar Ratnoff, who with Dr. Zimmerman made the important discovery that cross-reacting material to factor VIII is present in all hemophilic patients but decreased in patients with von Willebrand's disease. The third article is by Drs. Feinstein and Rapaport on the acquired inhibitors of blood coagulation; it is clearly written and informative and contains many original concepts and thoughts. The important clinical problem of bleeding in uremia is discussed by Dr. Rabiner. The remaining articles are devoted more to thrombosis than blood coagulation and will be of particular interest to cardiovascular surgeons, radiologists and others who are seeking non-thrombogenic surfaces or materials. All the chapters are beautifully illustrated and this is a book which every practicing hematologist will find useful. It can also be strongly recommended to all those who are interested in problems of experimental thrombosis.

CECIL HOUGIE, MD

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SURGERY OF THE ELBOW—Second Edition—Frederick M. Smith, MD, Former Associate Attending Orthopedic Surgeon, Presbyterian Hospital, New York Orthopedic Hospital and Vanderbilt Clinic. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. 340 pages with 154 illustrations, \$14.00.

The author has made an excellent contribution to the handling of traumatic and other lesions of the elbow which is one of the more complicated and often injured of all joints. He indicates the value of it for residents in traumatic and orthopedic surgery. This writer also recommends it as a reference and for review, not only for the resident in training but for the surgeon doing traumatic work as well as the orthopedist, whether seeing a lot or only an occasional case of elbow injury.

General basic sound principles of treatment are well described, including the "when" and "how" of reduction, immediate post-reduction care, signs of danger to watch for, time period of healing and the important rehabilitation of the part, all of which although somewhat elementary, deserve a review from time to time for surgeons being confronted with these common and at times definitely hazardous conditions.

Pitfalls and complications of the various types of injury to bones, joints and soft tissue, as well as those of different forms of treatment including both closed as well as open methods, are well presented. Also a good discussion is given referable to the avoiding of late complications and if these develop or are encountered methods of treating same are reviewed.

PAUL E. McMASTER, MD

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MENTAL RETARDATION—Volume IV—An Annual Review—Edited by Joseph Wortis, MD, Director of Developmental Services and Studies, Department of Psychiatry, Maimonides Medical Center, Brooklyn, N.Y., Grune & Stratton, Inc., 111 Fifth Avenue, New York City (10003), 1972. 234 pages, \$15.75.

This is the fourth volume of this annual series devoted to recent developments in mental retardation. Topics covered include: clinical aspects; parent counseling; parents as teachers of their own children; some recent trends; a parent's view; genetics; psychopharmacology; neurology; neuropsychology; audiology; federal legislation and finally an interesting survey of recent Italian literature devoted to mental retardation.

In general the articles are well written and enhanced by good, up-to-date bibliographies. Most illuminating were the articles on parent counseling by Helen Wortis